

# LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

573-751-4041

## Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO

CAPTAIN SAND & GRAVEL

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements

In the application, a permit is hereby granted to engage in surface mining of

sand & gravel in the state of Missouri. The extent of the

Proposed mining operation(s) will be on 26 acres, more or less.

The locations of the operation(s) under this permit is/are as follows: Renewal

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Pulaski	14, 15	35N	12W	15	0	15	Site #1/Roubidoux Creek	1957
Pulaski	23, 24	35N	12W	7	0	7	Site #2/Roubidoux Creek	1958
Pulaski	13	35N	12W	4	0	4	Site #3/Roubidoux Creek	1959

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 14th day of May 2004

  
\_\_\_\_\_  
DIRECTOR OF STAFF  
Land Reclamation Commission

Permit No. 0914

Effective Date 05/14/2004

Expiration Date 02/12/2005

MO 780-1122 (6-95)

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APR 28 2004

MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION

PERMIT RENEWAL FOR INDUSTRIAL MINERAL MINES

MISSOURI LAND  
RECLAMATION COMMISSIONP.O. BOX 178  
JEFFERSON CITY, MO 65102-0178

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL <b>CAPTAIN SAND AND GRAVEL</b>		DATE <b>4-22-04</b>	
ADDRESS <b>28175 Highway H</b>		CITY <b>JAMESVILLE</b>	STATE <b>MO</b>
CONTACT PERSON <b>CLIFFORD THOMPSON</b>		ZIP CODE <b>65583</b>	
		TELEPHONE NUMBER <b>573 774 3330</b>	

## FEES: COMPLETE SECTION I OR SECTION II

SECTION I. Fees: Open pit operators and those mining more than 5,000 tons of sand and/or gravel:

1. To compute the site fee complete the information below:

SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the site will be operated during the permit year	For sites operated less than six months per permit year pay \$150 For sites operated six months or more per permit year pay \$300
1. SITE # 1	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 150.00
2. SITE # 2	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 150.00
3. SITE # 3	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$ 150.00
4.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
5.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
6.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
7.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
8.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
9.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
10.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$

TOTAL SITE FEE \$ 450.00

2. Acreage Fee \$5 X \_\_\_\_\_ number of acres bonded \$ N/A

3. Annual Permit Fee \$ 500

4. Total Fee (Add totals from 1, 2 and 3) \$ 950.00

NOTE: If Total Fee exceeds \$2,500.00 then pay only \$ 2,500 - 130.00 = 2,370.00

## SECTION II. FEES: Sand or gravel operators mining less than 5,000 tons per year:

1. Annual Permit Fee \$ 300 ✓ - 130.00 = 170.00

SIGNATURE OF APPLICANT *Clifford Thompson* TITLE *President* DATE *04-23-04*Appeared before me this *23rd* day of *April*, 20*04*  
to me personally known, who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSEER SEAL	STATE OF <i>Missouri</i>	COUNTY OR CITY OF ST. LOUIS: <i>Fulaski</i>
	SUBSCRIBED AND SWORN BEFORE ME, THIS: <i>23rd</i> DAY OF <i>April</i> YEAR <i>2004</i>	USE RUBBER STAMP IN CLEAR AREA BELOW.
	NOTARY PUBLIC SIGNATURE <i>Kristyl Rollins</i> MY COMMISSION EXPIRES <i>03-04-06</i>	
	NOTARY PUBLIC NAME, TYPED OR PRINTED: <i>Kristyl Rollins</i>	

FOR DEPARTMENT USE ONLY: APPROVED BY <i>[Signature]</i>	DATE APPROVED <i>4-29-04</i>	PERMIT NUMBER <i>0914</i>	EXPIRATION DATE <i>2-12-05</i>
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File: Captain Sand and Gravel, Permit 0914, Permit Correspondence

April 22, 2004

Captain Sand and Gravel  
Clifford Thompson

Sent Via Facsimile to: 573.774.3330

Dear Clifford:

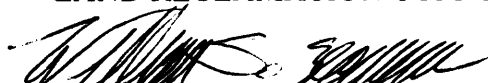
Based on my conversation with you today, I understand that Captain Sand and Gravel elects to remove sand and gravel from various sites listed on the currently expired permit certificate. As I informed you during our telephone conversation the certificate to operate a surface mine expired on February 12, 2004. I attempted to complete the majority of the information on the Renewal Application form. Please mark which months of the year that you may be operating the sites. Please note that a notary public must notarize your signature near the bottom of the enclosed form. In order for Captain Sand and Gravel to renew the certificate the total fee requirement is \$820.00. Normally, for your operation the fee would be 950.00 dollars; however there was an over-payment of 130-dollars last year and we would like to apply that 130.00 dollars to this application. Please make the check payable to "DNR-Land Reclamation Program". After the form is complete, please mail the check and completed renewal application form to:

MO-DNR-ALPD-LRP  
Bill Zeaman  
P.O. Box 176  
Jefferson City, MO 65102-0176

In conclusion, thank you for the opportunity to assist your association in acquiring a mining renewal certificate. Please do not hesitate to contact me in writing at the referenced address or by telephone at 573.751.4041 for additional assistance or if there are any other questions about Land Reclamation Program permit requirements.

Sincerely,

LAND RECLAMATION COMMISSON

  
William S. Zeaman  
Land Reclamation Specialist

WZ

04-23-04

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APR 28 2004

MISSOURI LAND  
RECLAMATION COMMISSION

Bill Zeaman,

In reference to our telephone conversation on 04-23-04, I am sending you the requested papers and payment. I have adjusted the payment from \$820.00 to \$170.00 per your instructions.

Due to the classification change I will be tracking our tonnage and if there is any change I will notify you.

I appreciate your help with this, and enjoyed talking with you, thank you.

*Clifford A. Thompson*

CLIFFORD A. THOMPSON

PRESIDENT

Captain Sand & Gravel, Inc.  
28175 Highway H  
Waynesville, MO 65583  
573-774-3330



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**SITE INFORMATION FORM**

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To be completed for each separate area of disturbance associated with mining operations.

MISSOURI LAND  
RECLAMATION COMMISSION

SITE NAME OR NUMBER <b>Captain Sand + Gravel #1</b>		PERMIT NUMBER <b>0914</b>	
COMPANY NAME <b>Captain Sand + Gravel Inc.</b>			
COUNTY <b>Pulaski</b>	1/4 SECTION	SECTION <b>23, 14 + 15</b>	
TOWNSHIP <b>35 N.</b>	RANGE <b>12 W</b>	ACRES <b>15</b>	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) <b>Roubidoux Creek</b>			
MINERAL COMMODITY <b>Sand + Gravel</b>		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) <b>Less than 5000</b>	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <b>Morgan Farms Inc</b>		
ADDRESS <b>28365 Stocky Lane</b>		
CITY <b>Waynesville</b>	STATE <b>Missouri</b>	ZIP CODE <b>65583</b>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT <b>Oct 31, 2002</b>
<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) <b>Same as above</b>		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE):		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

**NOTE:** Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**SITE INFORMATION FORM**

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NOV 22 2002

To be completed for each separate area of disturbance associated with mining operations.

MISSOURI LAND  
RECLAMATION COMMISSION

SITE NAME OR NUMBER <b>Captain Sand &amp; Gravel #2</b>		PERMIT NUMBER <b>0914</b>	
COMPANY NAME <b>Captain Sand &amp; Gravel Inc.</b>			
COUNTY <b>Pulaski</b>	1/4 SECTION	SECTION <b>B3 + 16 2-10-03</b> <b>13, 14, 23 + 24</b>	
TOWNSHIP <b>35N</b>	RANGE <b>12W</b>	ACRES <b>7</b>	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) <b>Roubidaw Creek</b>			
MINERAL COMMODITY <b>Sand &amp; Gravel</b>		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) <b>Less than 5000</b>	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <b>Harry Morgan</b>		
ADDRESS <b>29025 Highway H</b>		
CITY <b>Waynesville</b>	STATE <b>MO</b>	ZIP CODE <b>65583</b>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____ <input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		DATE OF AGREEMENT <b>Oct 31, 2002</b>

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) <b>Same as above</b>		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____ <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		DATE OF AGREEMENT

**NOTE:** Each site must be shown on a map and be included in a public notice and an approved mine plan.



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION  
**SITE INFORMATION FORM**

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MISSOURI LAND  
RECLAMATION COMMISSION

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER <u>Captain Sand + Gravel #3</u>		PERMIT NUMBER <u>0914</u>
COMPANY NAME <u>Captain Sand + Gravel Inc.</u>		
COUNTY <u>Pulaski</u>	1/4 SECTION	SECTION <u>13</u>
TOWNSHIP <u>35 N</u>	RANGE <u>12 W</u>	ACRES <u>4</u>
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) <u>Roubidoux Creek</u>		
MINERAL COMMODITY <u>Sand + Gravel</u>		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) <u>Less than 5000</u>

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <u>Richard Breeden</u>		
ADDRESS <u>27545 Highway H</u>		
CITY <u>Waynesville</u>	STATE <u>MO</u>	ZIP CODE <u>65583</u>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT <u>9-21-02</u>
<input checked="" type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) <u>Same as above (if any)</u>		
ADDRESS		
CITY	STATE	ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT
<input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT		

**NOTE:** Each site must be shown on a map and be included in a public notice and an approved mine plan.

NOV 22 2002



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
LAND RECLAMATION COMMISSION

**STREAM PROTECTION PLAN - 10 CSR 40-10.020(2)(D)3**  
(Required for in-stream sites, or as required by the Director)

MISSOURI LAND  
RECLAMATION COMMISSION

TYPE OF PLAN (CHECK ONE):	<input type="checkbox"/> SHORT TERM, FOR ONE PERMIT YEAR	COMPANY NAME
	<input checked="" type="checkbox"/> LONG TERM, FOR PERIOD THROUGH DATE: Dec 31, 2004	Captain Sand & Gravel Inc.

DESCRIPTION OF STREAM CONDITION PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING BANK CONDITION, BANK VEGETATION AND WATER QUALITY.

The area to be mined involves a 2 mile stretch of Roubidoux Creek. (See map) This stretch of the Creek is bordered by bluff + agricultural operations. (pasture + cropland) The banks are steep, but well vegetated. The Roubidoux Creek, in this area, stays dry an average of 10 months a year. This plan covers sites #1, #2, + #3.

DESCRIBE METHODS USED TO REDUCE DAMAGE TO STREAM BANKS, SUCH AS PROTECTING BANK VEGETATION, IF APPLICABLE.

The excavations between stream banks will be managed so that the water flow is not redirected into the stream banks. A 20 foot wide strip of gravel will be left undisturbed between the operation and streambank vegetation.

DESCRIBE METHODS USED TO REDUCE DAMAGE TO STREAM ENVIRONMENTS, SUCH AS KEEPING ACTIVE MINING OPERATIONS ON GRAVEL BARS, RATHER THAN FLOWING WATER, AND KEEPING HAUL ROADS AWAY FROM FLOWING WATER, IF APPLICABLE.

Gravel removal will be restricted to exposed portions of gravel bars. We will take off the tops of the gravel bars to no deeper than the normal water level. This will avoid both erosion of banks + upstream headcutting. If the creek should have water in it, we will always cross in the same spot.

PERMIT NUMBER

0914

SITE NAME AND/OR NUMBER

Sites #1, #2, + #3



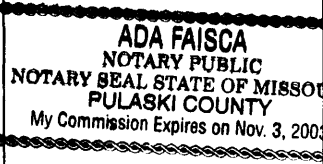
NOV 22 2002

DESCRIBE METHODS USED TO PROTECT WATER QUALITY, SUCH AS INSTALLING EROSION CONTROL DEVICES, IMPELABLE RECLAMATION COMMISSION

Gravel removal will be restricted to periods of low flow. The creek stays dry for an average of 10 months a year. A 20 foot wide strip of gravel will be left undisturbed between excavation and streamside vegetation. A buffer strip will also be left between excavation and flowing portion of Creek, if the Creek should happen to have waters in it.

By my signature, I attest to the following:

- 1) All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
- 2) I or the company I am authorized to represent intend(s) to mine in accordance with this Plan, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3) I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no right to grant such access, I have attached signed affidavits from the landowners granting such access.

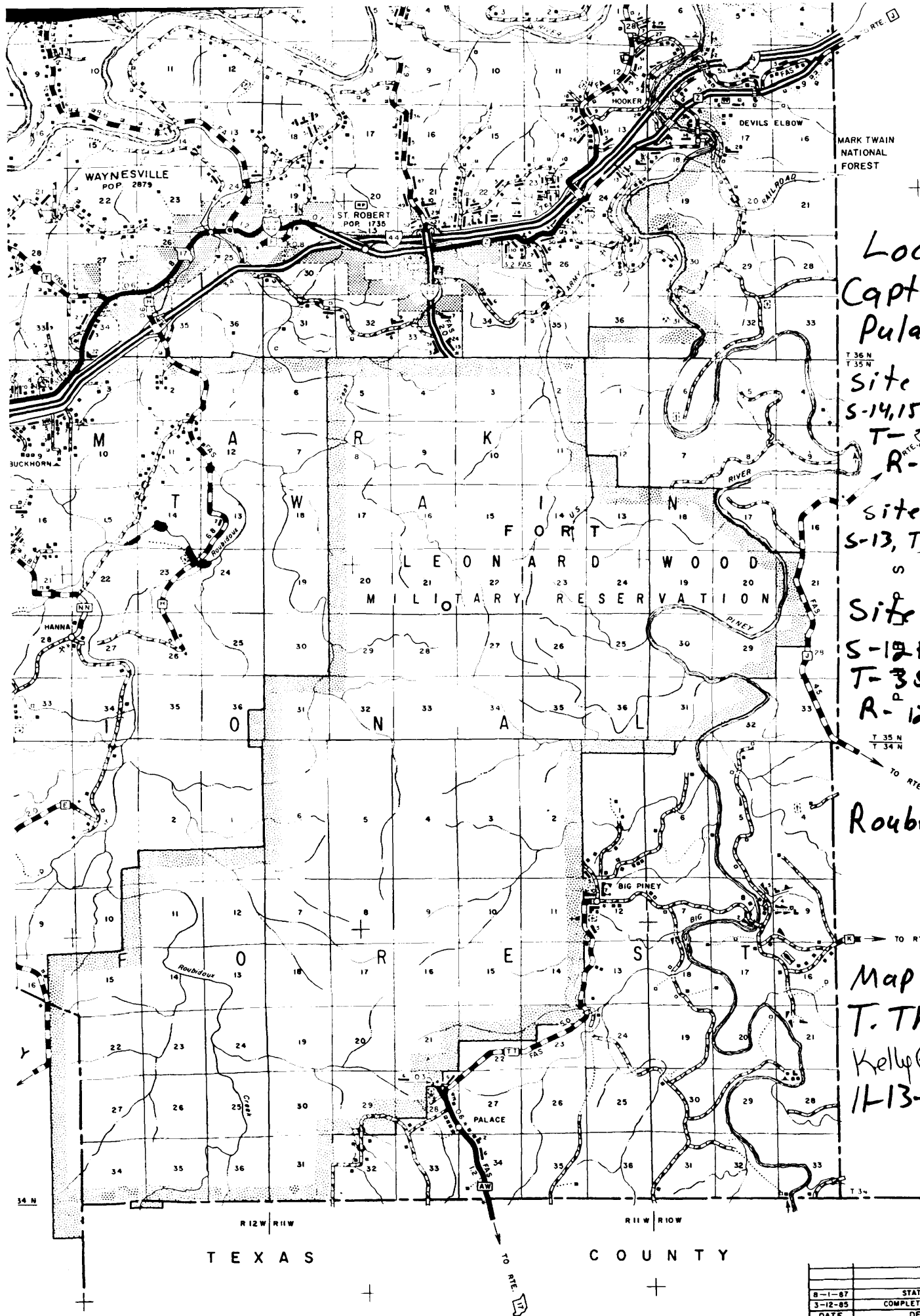
SIGNATURE OF APPLICANT ▶ <i>Kelly S Greer</i>		TITLE <i>Plant Manager</i>	DATE <i>11-15-02</i>
Appeared before me this <i>15th</i> day of <i>November</i> , 20 <i>02</i> . <i>Kelly S Greer</i> to me personally known, who executed the above as their free acts and deeds.			
NOTARY PUBLIC EMBOSSE OR BLACK INK RUBBER STAMP SEAL  	STATE <i>Missouri</i>	COUNTY (OR CITY OF ST. LOUIS) <i>Pulaski</i>	
	SUBSCRIBED AND SWORN BEFORE ME, THIS <i>15th</i> DAY OF <i>November</i> YEAR <i>2002</i>		
NOTARY PUBLIC SIGNATURE <i>Ada Faisca</i> NOTARY PUBLIC NAME (TYPED OR PRINTED) <i>Ada Faisca</i>		MY COMMISSION EXPIRES <i>Nov. 3, 2003</i>	USE RUBBER STAMP IN CLEAR AREA BELOW.
APPROVED BY (DIRECTOR'S REPRESENTATIVE) ▶ <i>Zin Tha</i>		TITLE <i>LRSTL</i>	DATE APPROVED <i>2-13-03</i>

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MISSOURI LAND  
RECLAMATION COMMISSION

Attach the following documents to the Stream Protection Plan Form:

- A. Two copies of a map such that the mine can be located, and distinguished from other mines in the area.
- B. Two copies of a more detailed map, prepared on an original or clearly copies USGS 7-1/2 minute topographical map, county assessor map, A.S.C.S. aerial photo, up-to-date county plat, or a different base map with a scale of one inch to six hundred sixty feet (1" = 660') or larger.
  1. At minimum, the detailed map must show the following:
    - a. ownership boundaries, and names of owners of surface and subsurface rights to land within and contiguous to the permit area.
    - b. boundaries and acreage of each permitted site, and of the area to be affected over the term of the mine plan.
    - c. creeks or streams within the proposed permit area.
    - d. date of map preparation, preparer's name and title, north arrow, scale, and section, township and range lines.
  2. The following may be required for clarification:
    - a. abandoned surface mines.
    - b. locations of erosion and sediment control devices.
    - c. structures, and natural or cultural features to be protected.



Locator Map  
 Captain StG  
 Pulaski Co.

Site #1  
 S-14, 15, 23, 24  
 T-35N  
 R-12W

Site #2  
 S-13, T-35N, R-12W

Site #3  
 S-12+13  
 T-35N  
 R-12W

Roubidoux Cr.

Map Prep by  
 T. Thorn and  
 Kelly Greer  
 11-13-02

8-1-87	STATE HIGHWAYS	RLW
3-12-85	COMPLETE NEW INVENTORY	RLW
DATE	DESCRIPTION	BY
REVISIONS		



**SCALE 1"=400'**

SECTIONS 13,14,23,24 T 35 N - R 12 W

### DETAIL MAP

Captain Sand & Gravel  
Pulaski County

Site #1  
S-14, 15, 23, T-35N, R-12W

Site #2

Site #3

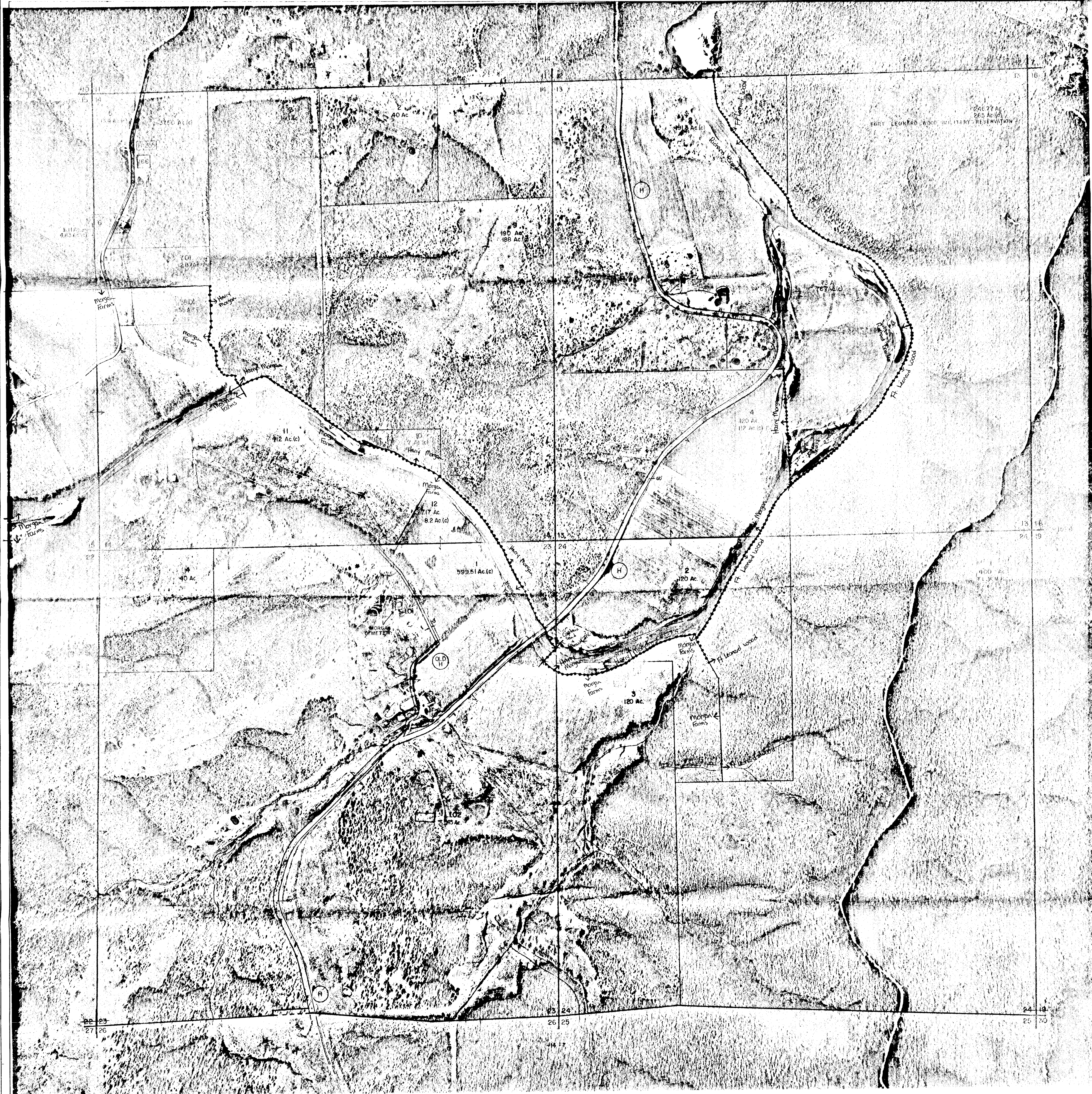
S-13, T-35N, R-12W  
Roubidoux Creek

Map Prep. By

Kelly Greer  
11-14-02

**DATE OF PHOTOGRAPHY: 3/26, 3/28, 4/1/98**

**PULASKI COUNTY, MISSOURI**



PULASKI COUNTY, MISSOURI RECEIVED

STATE TAX COMMISSION OF MISSOURI

PULASKI COUNTY TAX ASSESSOR

HOOD-RICH ARCHITECTS AND CONSULTING ENGINEERS  
 801 GLENSTONE SPRING DRIVE  
 MEMPHIS, TENNESSEE 38117

DATE: BY: CHANGE OR ACTION: REVISIONS: DATE: BY: CHANGE OR ACTION:

MR. PERTY: WHEATON & MBI

## LEGEND

[illegible]

PL. v. 5, IN NÚM. 4

$\alpha = 1$       $\beta = 1$       $\Delta = 1$

## TOWNSHIP LOCATOR

[illegible]

© 2000 Blackwell Science Ltd, *Journal of Internal Medicine* 247: 399–406

3	2	1
4	5	6
9	8	7

456 C. J. VAN NIEKAMP

SEC 14 TWP 31 N R1G 1 W  
MAP NO 70-14-6

DATE OF MAP  
DATE OF PHOTOGRAPH

2